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* * * * * Welcome to STN International * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	Jun 03	New e-mail delivery for search results now available
NEWS 4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 7	Sep 03	JAPIO has been reloaded and enhanced
NEWS 8	Sep 16	Experimental properties added to the REGISTRY file
NEWS 9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 11	Oct 24	BEILSTEIN adds new search fields
NEWS 12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 13	Nov 18	DKILIT has been renamed APOLLIT
NEWS 14	Nov 25	More calculated properties added to REGISTRY
NEWS 15	Dec 04	CSA files on STN
NEWS 16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 17	Dec 17	TOXCENTER enhanced with additional content
NEWS 18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS 19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS 20	Feb 13	CANCERLIT is no longer being updated
NEWS 21	Feb 24	METADEX enhancements
NEWS 22	Feb 24	PCTGEN now available on STN
NEWS 23	Feb 24	TEMA now available on STN
NEWS 24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS 25	Feb 26	PCTFULL now contains images
NEWS 26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 27	Mar 20	EVENTLINE will be removed from STN
NEWS 28	Mar 24	PATDPAFULL now available on STN
NEWS 29	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS 30	Apr 11	Display formats in DGENE enhanced
NEWS 31	Apr 14	MEDLINE Reload
NEWS 32	Apr 17	Polymer searching in REGISTRY enhanced
NEWS 33	Jun 13	Indexing from 1947 to 1956 added to records in CA/CAPLUS
NEWS 34	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS 35	Apr 28	RDISCLOSURE now available on STN
NEWS 36	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS 37	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS 38	May 15	Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS 39	May 16	CHEMREACT will be removed from STN
NEWS 40	May 19	Simultaneous left and right truncation added to WSCA
NEWS 41	May 19	RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS 42	Jun 06	Simultaneous left and right truncation added to CBNB

NEWS 43 Jun 06 PASCAL enhanced with additional data
NEWS 44 Jun 20 2003 edition of the FSTA Thesaurus is now available

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 15:18:22 ON 24 JUN 2003

=> fil reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	0.42

FILE 'REGISTRY' ENTERED AT 15:19:19 ON 24 JUN 2003
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STRUCTURE FILE UPDATES: 23 JUN 2003 HIGHEST RN 536496-82-9
DICTIONARY FILE UPDATES: 23 JUN 2003 HIGHEST RN 536496-82-9

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STN Note 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

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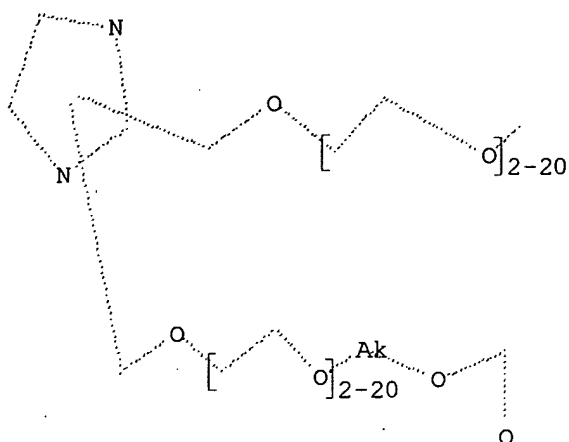
Uploading 09765368.str

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 11

STRUCTURE TOO LARGE - SEARCH ENDED

A structure in your query is too large. You may delete attributes or atoms to reduce the size of the structure and try again.

=>

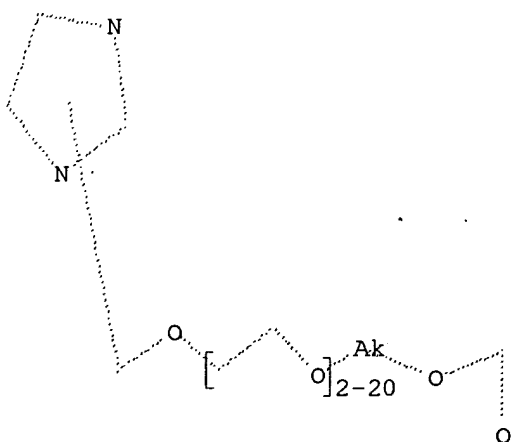
Uploading 09765368.str

L2 STRUCTURE UPLOADED

=> d

L2 HAS NO ANSWERS

L2 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 12

SAMPLE SEARCH INITIATED 15:20:28 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 565 TO ITERATE

100.0% PROCESSED 565 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 9874 TO 12726
PROJECTED ANSWERS: 1 TO 80

L3 1 SEA SSS SAM L2

=> s l2 full
FULL SEARCH INITIATED 15:20:33 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 11536 TO ITERATE

100.0% PROCESSED 11536 ITERATIONS 8 ANSWERS
SEARCH TIME: 00.00.01

L4 8 SEA SSS FUL L2

=> fil caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 148.55 148.97

FILE 'CAPLUS' ENTERED AT 15:20:37 ON 24 JUN 2003
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FILE COVERS 1907 - 24 Jun 2003 VOL 138 ISS 26
FILE LAST UPDATED: 23 Jun 2003 (20030623/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l4
L5 2 L4

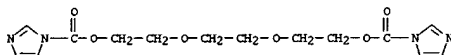
=> d ibib abs hitstr 1-2

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1993:261011 CAPLUS
 DOCUMENT NUMBER: 118:261011
 TITLE: Polycarbonates and their use for preparation of bioerosible pharmaceutical matrices
 INVENTOR(S): Ferruti, Paolo; Ranucci, Elisabetta; Bignotti, Fabio
 PATENT ASSIGNEE(S): Mediolanum Farmaceutici S.P.A., Italy
 SOURCE: PCT Int. Appl., 24 pp.
 CODENT: FIXKD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9222600	A1	19921223	WO 1992-EP1262	19920605
W:	AU, BB, BG, BR, CA, CS, FI, HU, JP, KP, KR, LK, MG, MN, MW, NO, PL, RO, RU, SD, US			
RW:	AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GN, GR, IT, LU, MC, ML, MR, NL, SE, SN, TD, TG			
AU 9219108	A1	19930112	AU 1992-19108	19920605
EP 588853	A1	19940330	EP 1992-911499	19920605
EP 588853	B1	19960918		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, MC, NL, SE			
JP 06508383	T2	19940922	JP 1992-511242	19920605
JP 3175772	B2	20010611		
AT 143030	E	19961015	AT 1992-911499	19920605
ES 2092116	T3	19961116	ES 1992-911499	19920605
US 5463012	A	19951031	US 1993-157153	19931213

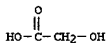
PRIORITY APPLN. INFO.: IT 1991-M11645 A 19910614
 WO 1992-EP1262 A 19920605
 AB Polycarbonates -[OCO2R1OCO2R2]-a [a = 2-300; R1, R2 = aliph. alicyclic C2-18, polyoxyalkylene residue of -[CHR3(CH2)nO]m-CHR3(CH2)n- (I) (R3 = H, Me; n = 1-3, m = 1-200, or a polyester residue of -[R4CO2]x-[R5CO2]y-R6 (x, y = 1-50; R4, R5 = aliph. C1-4 hydrocarbyl; R6 = aliph. or alicyclic C2-18, polyoxyalkylene residue of I). are used as bioerosible pharmaceutical matrices for slow release of the active ingredients. Thus, 1,1'-carbonyldiimidazole was reacted with PEG to obtain diimidazolyl formate which was mixed with 1,6-hexanediol and heated at 60.degree. to obtain a polycarbonate liq.
 IT 147658-27-3P 147658-28-4P
 IT RI: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (prepn. and reaction of, with hexanediol, in prepn. of polycarbonates)
 RN 147658-27-3 CAPLUS
 CN 1H-Imidazole-1-carboxylic acid, 1,2-ethanediylbis(oxy-2,1-ethanediyl) ester (9CI) (CA INDEX NAME)



RN 147658-28-4 CAPLUS

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

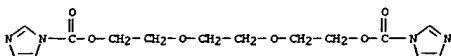
CN 3
 CRN 79-14-1
 CHF C2 H4 O3



CH 4
 CRN 50-21-5
 CHF C3 H6 O3



IT 147658-29-5P 147658-30-8P 147658-43-3P
 RL: PREP (Preparation)
 (prepn. of, as matrix for slow-released pharmaceuticals)
 RN 147658-29-5 CAPLUS
 CN 1H-Imidazole-1-carboxylic acid, 1,2-ethanediylbis(oxy-2,1-ethanediyl) ester, polymer with 1,10-decanediol (9CI) (CA INDEX NAME)
 CH 1
 CRN 147658-27-3
 CHF C14 H18 N4 O6



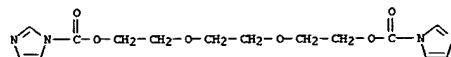
CH 2
 CRN 112-47-0
 CHF C10 H22 O2

HO-(CH2)10-OH

RN 147658-30-8 CAPLUS
 CN 1H-Imidazole-1-carboxylic acid, 1,2-ethanediylbis(oxy-2,1-ethanediyl) ester, polymer with 1,12-dodecanediol (9CI) (CA INDEX NAME)
 CH 1
 CRN 147658-27-3
 CHF C14 H18 N4 O6

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)
 CN 1H-Imidazole-1-carboxylic acid, 1,2-ethanediylbis(oxy-2,1-ethanediyl) ester, polymer with 1,6-hexanediol (9CI) (CA INDEX NAME)

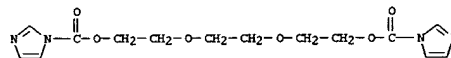
CH 1
 CRN 147658-27-3
 CHF C14 H18 N4 O6



CH 2
 CRN 629-11-8
 CHF C6 H14 O2

HO-(CH2)6-OH

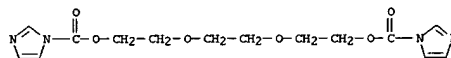
IT 147933-65-1P
 RL: PREP (Preparation)
 (prepn. of, as matrix for slow-release pharmaceuticals)
 RN 147933-65-1 CAPLUS
 CN 1H-Imidazole-1-carboxylic acid, 1,2-ethanediylbis(oxy-2,1-ethanediyl) ester, polymer with 1,2-ethanediol, hydroxyacetic acid and 2-hydroxypropanoic acid (9CI) (CA INDEX NAME)
 CH 1
 CRN 147658-27-3
 CHF C14 H18 N4 O6



CH 2
 CRN 107-21-1
 CHF C2 H6 O2

HO-CH2-CH2-OH

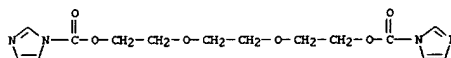
L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)



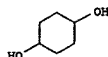
CH 2
 CRN 5675-51-4
 CHF C12 H26 O2

HO-(CH2)12-OH

RN 147658-43-3 CAPLUS
 CN 1H-Imidazole-1-carboxylic acid, 1,2-ethanediylbis(oxy-2,1-ethanediyl) ester, polymer with 1,4-cyclohexanediol (9CI) (CA INDEX NAME)
 CH 1
 CRN 147658-27-3
 CHF C14 H18 N4 O6



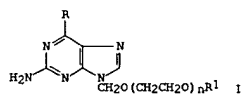
CH 2
 CRN 556-48-9
 CHF C6 H12 O2



L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1978:6940 CAPLUS
 DOCUMENT NUMBER: 88:6940
 TITLE: Virucidal purine derivatives
 INVENTOR(S): Schaeffer, Howard John
 PATENT ASSIGNER(S): Wellcome Foundation Ltd., UK
 SOURCE: Ger. Offen., 43 pp.
 CODEN: GWXXEX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2708828	A1	19770908	DE 1977-2708828	19770301
US 4060616	A	19771129	US 1976-662899	19760301
AU 7722760	A1	19780907	AU 1977-22760	19770228
BE 851974	A1	19770901	BE 1977-175385	19770301
DK 7700889	A	19770902	DK 1977-889	19770301
DK 142546	B	19801117		
DK 142546	C	19810803		
SE 7702231	A	19770902	SE 1977-2231	19770301
SE 430505	B	19831121		
SE 430505	C	19840301		
NL 7702176	A	19770905	NL 1977-2176	19770301
JP 52111594	A2	19770919	JP 1977-22114	19770301
JP 62022994	B4	19870520		
FR 2342971	A1	19770930	FR 1977-5922	19770301
FR 2342971	B1	19781103		
ES 456407	A1	19780701	ES 1977-456407	19770301
ZA 7701219	A	19781025	ZA 1977-1219	19770301
CA 1075237	A1	19800408	CA 1977-272884	19770301
GB 1569393	A	19800611	GB 1977-8475	19770301
AT 7701347	A	19800615	AT 1977-1347	19770301
AT 360552	B	19810126		
IL 51572	A1	19800731	IL 1977-51572	19770301
CH 629807	A	19820514	CH 1977-2572	19770301
HU 22434	O	19820528	HU 1977-WE551	19770301
HU 180321	B	19830228		
ES 467943	A1	19781101	ES 1978-467943	19780316
AT 7807713	A	19800515	AT 1978-7713	19781027
AT 360041	B	19801210		
CH 632759	A	19821029	CH 1981-7002	19811102
			US 1976-662899	19760301
			AT 1977-1347	19770301
			CH 1977-2572	19770301

GI



L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS (Continued)

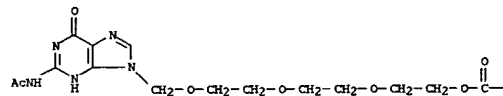
AB The purine derivs. I (R = NH₂, OH, Cl; R₁ = H, Ac, Bz, HCO; n = 1, 2, 3) (9 compds.) were prep'd. Thus, Bz(OCH₂CH₂)₂OH reacted with paraformaldehyde and HCl in CH₂Cl₂ soln. to give Bz(OCH₂CH₂)₂OCH₂Cl, which reacted with 2-amino-6-chloropurine and K₂CO₃ in DMF to give I (R = Cl, R₁ = Bz, n = 2). I are useful as virucides at 0.5-50 mg/kg.

IT 64844-19-5P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (prepn. and hydrolysis of)

RN 64844-19-5 CAPLUS

CN Acetamide, N-[6,9-dihydro-6-oxo-9-(12-oxo-12-phenyl-2,5,8,11-tetraoxadodec-1-yl)-1H-purin-2-yl]- (9CI) (CA INDEX NAME)

PAGE 1-A



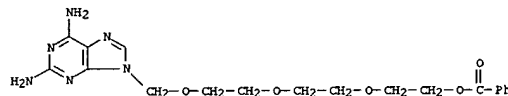
PAGE 1-B

— Ph

IT 64843-96-5P
 RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of)

RN 64843-96-5 CAPLUS

CN Ethanol, 2-[2-[(2,6-diamino-9H-purin-9-yl)methoxy]ethoxy]ethoxy]-, benzoate (ester) (9CI) (CA INDEX NAME)



=> fil reg

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
10.32	159.29

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-1.30	-1.30

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STRUCTURE FILE UPDATES: 23 JUN 2003 HIGHEST RN 536496-82-9

DICTIONARY FILE UPDATES: 23 JUN 2003 HIGHEST RN 536496-82-9

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

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<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

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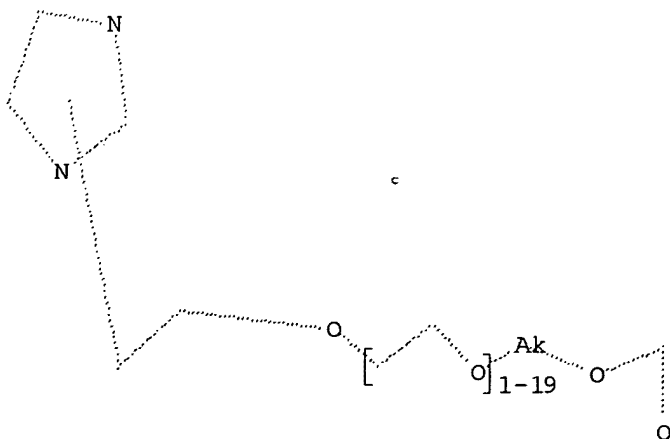
Uploading 09765368.str

L6 STRUCTURE UPLOADED

=> d

L6 HAS NO ANSWERS

L6 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l6

SAMPLE SEARCH INITIATED 15:22:37 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 932 TO ITERATE

100.0% PROCESSED 932 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 16809 TO 20471
PROJECTED ANSWERS: 1 TO 80

L7 1 SEA SSS SAM L6

=> s l6 full

FULL SEARCH INITIATED 15:22:41 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 18677 TO ITERATE

100.0% PROCESSED 18677 ITERATIONS 24 ANSWERS
SEARCH TIME: 00.00.02

L8 24 SEA SSS FUL L6

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	148.15	307.44

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.30

FILE 'CAPLUS' ENTERED AT 15:22:46 ON 24 JUN 2003
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FILE COVERS 1907 - 24 Jun 2003 VOL 138 ISS 26
FILE LAST UPDATED: 23 Jun 2003 (20030623/ED)

This file contains CAS Registry Numbers for easy and accurate

substance identification.

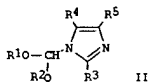
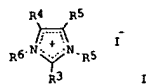
=> s 18

L9 12 L8

=> d ibib abs hitstr 1-12

L9 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2002:264861 CAPLUS
 DOCUMENT NUMBER: 136:279457
 TITLE: Preparation of 1,3-dialkylimidazolium iodides
 INVENTOR(S): Ono, Michio; Sen, Masakazu
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKKXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

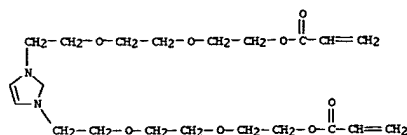
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002105058	A2	20020410	JP 2000-293430	20000927
PRIORITY APPLN. INFO.:		JP 2000-293430	20000927	
OTHER SOURCE(S):		CASREACT 136:279457; MARPAT 136:279457		



AB Title compds. I [R3-R5 = H, (un)substituted alkyl; R6 = (un)substituted alkyl] are prepd. by reaction of imidazoles II (R1, R2 = (un)substituted alkyl; R1R2 may form ring; R3-R5 = same as I) with alkyl iodides. II (R1 = R2 = Et, R3-R5 = H; prepd. from imidazole and Et orthoformate) was reacted with EtI in AcOEt under reflux for 2 h to give 98% I (R1 = R2 = R6 = Et, R3-R5 = H).
 IT 406700-11-SP 406700-12-7P
 RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of dialkylimidazolium iodides)
 RN 406700-11-6 CAPLUS
 CN 1H-Imidazolium, 1,3-bis[2-[2-[(1-oxo-2-propenyl)oxy]ethoxy]ethoxy]ethyl]-, iodide (9CI) (CA INDEX NAME)

L9 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2003 ACS (Continued)

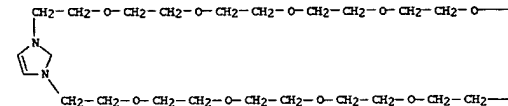
L9 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2003 ACS (Continued)



● I -

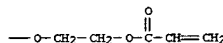
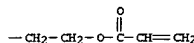
*** FRAGMENT DIAGRAM IS INCOMPLETE ***
 RN 406700-12-7 CAPLUS
 CN 1H-Imidazolium, 1,3-bis[19-oxo-3,6,9,12,15,18-hexaoxaheneicos-20-en-1-yl]-, iodide (9CI) (CA INDEX NAME)

PAGE 1-A



● I -

PAGE 1-B



*** FRAGMENT DIAGRAM IS INCOMPLETE ***

L9 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:193335 CAPLUS
 DOCUMENT NUMBER: 136:250254
 TITLE: Electrolyte composition and its use in electrochemical battery
 INVENTOR(S): Ono, Michio; Wariishi, Koji; Sen, Masakazu
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 28 pp.
 CODEN: JKKXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002075442	A2	20020315	JP 2000-259550	20000829
PRIORITY APPLN. INFO.:		JP 2000-259550	20000829	
OTHER SOURCE(S):		MARPAT 136:250254		

AB The compn. contains [R1SO2N-SO2R2]Y [R1, R2 = substituent; R1 and/or R2 has (un)substituted oxyethylene; Y = org. cation]. The battery may be a photoelectrochem. cell or a secondary nonaq. battery. The compn. using the above salt does not evap. and shows good charge transporting characteristics.

IT 403852-30-2P
 RL: DEV (Device component use); PNU (Preparation, unclassified); PREP (Preparation); USES (Uses)
 (electrolyte compn. with good charge transporting characteristics for photoelectrochem. or secondary nonaq. battery)

RN 403852-30-2 CAPLUS

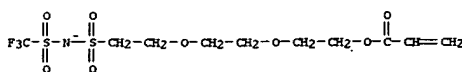
CN 1H-Imidazolium, 1,2-dimethyl-3-[2-[2-[(1-oxo-2-propenyl)oxy]ethoxy]ethoxy]ethyl]-, salt with 12,12,12-trifluoro-9,9,11,11-tetraoxido-3,6-dioxo-9,11-dithia-10-azadodec-1-yl 2-propenoate (1:1), homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 403852-27-7
 CMF C14 H23 N2 O4 . C10 H15 F3 N O8 S2

CM 2

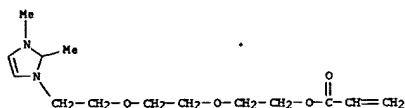
CRN 403852-26-6
 CMF C10 H15 F3 N O8 S2



CM 3

CRN 403852-25-5
 CMF C14 H23 N2 O4

L9 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2003 ACS (Continued)



*** FRAGMENT DIAGRAM IS INCOMPLETE ***

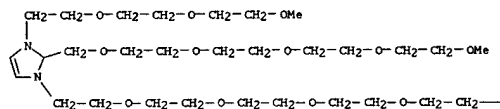
L9 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:531955 CAPLUS
 DOCUMENT NUMBER: 135:124958
 TITLE: Polymerizing molten salt monomer, electrolyte composition, and electrochemical cell
 INVENTOR(S): Ono, Michio; Sen, Masakazu
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 32 pp.
 CODEN: JXXXXF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001199961	A2	20010724	JP 2000-13048	20000121
US 2001026890	A1	20011004	US 2001-765368	20010122
PRIORITY APPLN. INFO.: MARPAT 135:124958			JP 2000-13048	A 20000121

OTHER SOURCE(S):
 AB The title monomer is represented as Q[Y1(CH2CH2O)nY2]mX [Q = N-contg. arom. heterocyclic group for forming a cation; Y1 = divalent bond; Y2 = (substituted) alkyl; n = 2-20 integer; m = .gtoreq.2 integer; X = anion; .gtoreq.1 of Y2 contains a polymg. group; Q or Y2 may be linked to give a dimer or a tetramer]. The title electrolyte compn. contains a polymer obtained by polymg. the monomer. An electrochem. cell contg. the electrolyte compn. is also claimed. Preferably, the cell contains a charge-transfer layer contg. the electrolyte compn. and a photosensitive layer contg. a dye-sensitized semiconductor. The electrolyte compn. has high charge-transfer property, photoelec. conversion efficiency, durability, and ion cond. and is esp. suitable for a secondary nonaq. battery and a solar cell.
 IT 351182-10-0P
 RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
 (prepn. and polymn. of; in prepn. of polymg. molten salt monomer for polymer electrolyte compn.)
 RN 351182-10-0 CAPLUS
 CN 1H-Imidazolium, 1-[2-(2-(2-methoxyethoxy)ethoxy)ethyl]-3-(19-oxo-3,6,9,12,15,18-hexaokaheneicos-20-en-1-yl)-2-(2,5,8,11,14-pentaoxapentadec-1-yl)-, iodide (9CI) (CA INDEX NAME)

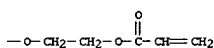
PAGE 1-A



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L9 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2003 ACS (Continued)

PAGE 1-B



*** FRAGMENT DIAGRAM IS INCOMPLETE ***

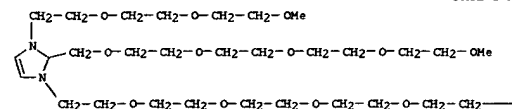
IT 351182-12-2F
 RL: IMF (Industrial manufacture); PREP (Preparation)
 (prepn. of; in prepn. of polymg. molten salt monomer for polymer electrolyte compn.)
 RN 351182-12-2 CAPLUS
 CN 1H-Imidazolium, 1-[2-(2-(2-methoxyethoxy)ethoxy)ethyl]-3-(19-oxo-3,6,9,12,15,18-hexaokaheneicos-20-en-1-yl)-2-(2,5,8,11,14-pentaoxapentadec-1-yl)-, salt with 1,1,1-trifluoro-N-[(trifluoromethyl)sulfonyl]methanesulfonamide (1:1) (9CI) (CA INDEX NAME)

CH 1

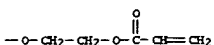
CRN 351182-11-1

CMF C35 H65 N2 O15

PAGE 1-A



PAGE 1-B



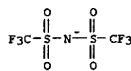
*** FRAGMENT DIAGRAM IS INCOMPLETE ***

CH 2

CRN 98837-99-0

CMF C2 F6 N O4 S2

L9 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2003 ACS (Continued)



L9 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2001:524704 CAPLUS

DOCUMENT NUMBER: 135:114408

TITLE: Photoelectrochemical cell comprising polymer electrolyte composition formed by polymerizing ionic liquid crystal monomer

INVENTOR(S): Ono, Michio

PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan

SOURCE: Eur. Pat. Appl., 43 pp.

CODEN: EPXXUW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1116769	A2	20010718	EP 2001-100999	20010117
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2001202995	A2	20010727	JP 2000-8054	20000117
US 2002034690	A1	20020321	US 2001-759363	20010116
PRIORITY APPLN. INFO.: JP 2000-8054 A 20000117				

OTHER SOURCE(S): MARPAT 135:114408

AB Disclosed is an electrolyte compn. comprising a polymer compd. formed by polyng. an ionic liq. crystal monomer contg. at least one polymerizable group. Also disclosed are an electrochem. cell, a nonaq. secondary cell and a photoelectrochem. cell, each comprising the electrolyte compn. In accordance with the present invention, an electrolyte which doesn't substantially volatilize and exhibits excellent charge-transporting properties can be obtained, making it possible to obtain a photoelectrochem. cell having excellent photoelec. conversion properties and less deterioration of properties with time. Further, a lithium ion-conducting material having an extremely high ionic cond. at low temps. can be obtained.

IT 350507-62-9P 350507-64-1P

RL: PEP (Physical, engineering or chemical process); SPN (Synthetic preparation); PREP (Preparation); PROC (Process)

(electrolyte compn. comprising polymer compd. formed by polymz. of ionic liq. crystal monomer for photoelectrochem. cell application)

RN 350507-62-9 CAPLUS

CN 1H-Imidazolium, 1-[(4-(decyloxy)phenyl)-3-(19-oxo-3,6,9,12,15,18-hexaokaheneicos-20-en-1-yl)]-, iodide, homopolymer (9CI) (CA INDEX NAME)

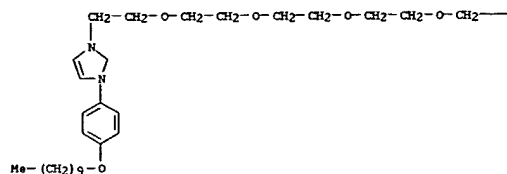
CH 1

CRN 350507-57-2

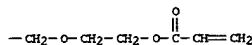
CHF C34 H55 N2 O8 . I

L9 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2003 ACS (Continued)

PAGE 1-A

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PAGE 1-B



*** FRAGMENT DIAGRAM IS INCOMPLETE ***

RN 350507-64-1 CAPLUS

CN 1H-Imidazolium, 1-[(3-[4-(decyloxy)phenyl]-1-oxo-2-propenyl)oxy]-3-(19-oxo-3,6,9,12,15,18-hexaokaheneicos-20-en-1-yl)-, iodide, homopolymer (9CI) (CA INDEX NAME)

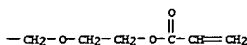
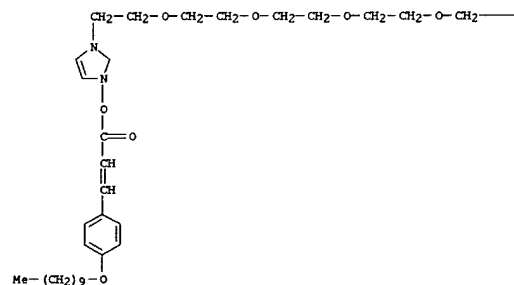
CH 1

CRN 350507-59-4

CHF C37 H57 N2 O10 . I

L9 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2003 ACS (Continued)

PAGE 1-A



PAGE 1-B

● I⁻

*** FRAGMENT DIAGRAM IS INCOMPLETE ***

IT 350507-57-2P 350507-59-4P

RL: PEP (Physical, engineering or chemical process); SPN (Synthetic preparation); PREP (Preparation); PROC (Process)

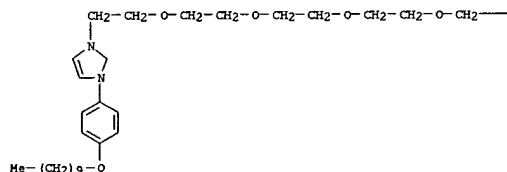
(photoelectrochem. cell contg. polymerizable ionic liq. crystal monomer)

RN 350507-57-2 CAPLUS

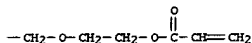
CN 1H-Imidazolium, 1-[(4-(decyloxy)phenyl)-3-(19-oxo-3,6,9,12,15,18-hexaokaheneicos-20-en-1-yl)]-, iodide (9CI) (CA INDEX NAME)

L9 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2003 ACS (Continued)

PAGE 1-A

● I⁻

PAGE 1-B

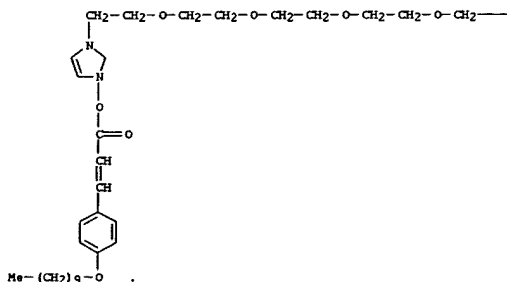


*** FRAGMENT DIAGRAM IS INCOMPLETE ***

RN 350507-59-4 CAPLUS

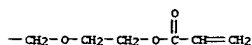
CN 1H-Imidazolium, 1-[(3-[4-(decyloxy)phenyl]-1-oxo-2-propenyl)oxy]-3-(19-oxo-3,6,9,12,15,18-hexaokaheneicos-20-en-1-yl)-, iodide (9CI) (CA INDEX NAME)

PAGE 1-A



L9 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2003 ACS (Continued)

PAGE 1-B



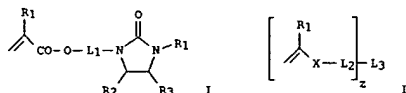
● I -

*** FRAGMENT DIAGRAM IS INCOMPLETE ***

L9 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2000:638314 CAPLUS
 DOCUMENT NUMBER: 133:244255
 TITLE: Electrolyte for photoelectric converter and photoelectrochemical cell
 INVENTOR(S): Wariishi, Koji
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 32 pp.
 CODEN: JPOKAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000251532	A2	20000914	JP 1999-52911	19990301
PRIORITY APPLN. INFO.:			JP 1999-52911	19990301



AB The invention relates to an electrolyte, suited for use in batteries, sensors, photoelec. cells, thus the electrolyte comprises the polymer prepd. from monomers represented by I and II [R1, R4, and R5= H, and alkyl group; R2 and R3 = H, alkyl and aryl groups; R2 and R3 may join to form a ring; L1 and L2 = divalent groups; L3 = z-valent group, where z is 2-6 integers; X = -COO- and -CONR6-, R6 = H and alkyl group].

IT 294176-72-0 294176-75-3

RL: DEV (Device component use); USES (Uses)
 (Electrolyte for photoelec. converter and photoelectrochem. cell)

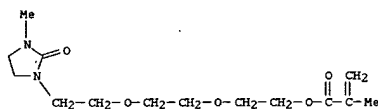
RN 294176-72-0 CAPLUS

CN 2-Propenoic acid, 2-methyl-, 1,2-ethanediylbis(oxy-2,1-ethanediyl) ester, polymer with 2-[2-[2-(3-methyl-2-oxo-1-imidazolidinyl)ethoxy]ethoxy]ethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

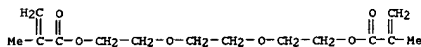
CRN 294176-71-9
 CMF C14 H24 N2 O5

L9 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2003 ACS (Continued)



CM 2

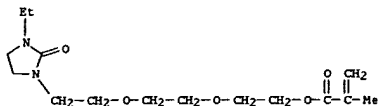
CRN 109-16-0
 CMF C14 H22 O6



RN 294176-75-3 CAPLUS
 CN 2-Propenoic acid, 2-methyl-, 2-[2-[2-(3-ethyl-2-oxo-1-imidazolidinyl)ethoxy]ethoxy]ethyl ester, polymer with 8-ethyl-8-[[2-[2-[(1-oxo-2-propenyl)oxy]ethoxy]ethoxymethyl]-3,6,10,13-tetraoxapentadecane-1,15-diyl] di-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 294176-74-2
 CMF C15 H26 N2 O5

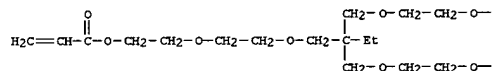


CM 2

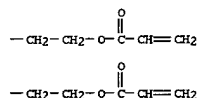
CRN 111951-06-5
 CMF C27 H44 O12

L9 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2003 ACS (Continued)

PAGE 1-A



PAGE 1-B



L9 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1996:711612 CAPLUS

DOCUMENT NUMBER: 126:28626

TITLE: Uptake and retention of nitroimidazole-carboranes designed for boron neutron capture therapy in experimental murine tumors: detection by ¹¹B magnetic resonance spectroscopyAUTHOR(S): Wood, P. J.; Scobie, M.; Threadgill, M. D.
CORPORATE SOURCE: MRC Radiobiol. Univ., Bidcot, OX11 0RD, UK
SOURCE: International Journal of Radiation Biology (1996), 70(5), 587-592

CODEN: IJRBE7; ISSN: 0955-3002

PUBLISHER: Taylor & Francis

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Two novel nitroimidazole-carboranes were examd. for their uptake and retention in two exptl. murine solid tumors and in some normal tissues, using in vivo ¹¹B magnetic resonance spectroscopy. The compds. were injected i.p. at 0.8 mmol/kg into mice bearing either the SCCVII/Ha squamous cell carcinoma or KHT sarcoma implanted intradermally on the mouse back. Boron from a polyether-isoxazole linked nitroimidazole-carborane (compd. 1) was detectable in both SCCVII/Ha and KHT tumors at 3 and 7 h after injection. The signal from the liver at these times was greater than that from the tumor but only a weak signal was obtained from the brain. At 24 h after injection the tumor signal was still present, as was that from the liver, which appeared to have increased over that for the earlier times. Signal from the brain had disappeared by 24 h. Boron from a polyether-carbamate linked nitroimidazole-carborane (compd. 2) was also detectable in both tumors at all times tested, and again was present in the liver. In addn., the ¹¹B signal was detectable from the mouse brain, at early times, but was undetectable at 24 h. These preliminary data indicate that nitroimidazole-carboranes are taken up and retained in exptl. murine tumors in sufficient amts. to be detectable by in vivo ¹¹B MRS and further that at 24 h after treatment there is differential retention between tumors and the brain.

IT 158565-49-2

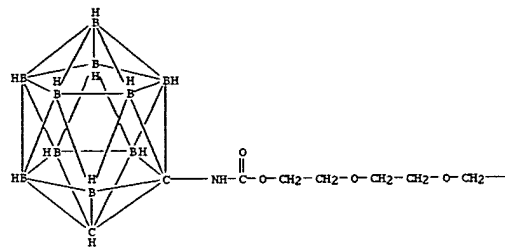
RL: BAC (Biological activity or effector, except adverse); BPR (Biological process); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(nitroimidazole-carboranes designed for boron neutron capture therapy uptake and retention in tumors: ¹¹B MRS detection)

RN 158565-49-2 CAPLUS

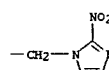
CN Carbanic acid, 1,2-dicarbadodecaboran(12)-1-yl-, 2-[2-[2-(2-nitro-1H-imidazol-1-yl)ethoxy]ethoxy]ethyl ester (9CI) (CA INDEX NAME)

L9 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2003 ACS (Continued)

PAGE 1-A



PAGE 1-B



L9 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1994:655859 CAPLUS

DOCUMENT NUMBER: 121:255859

TITLE: Tumor-targeted boranes. Part 3. Synthesis of carbamate-linked nitroimidazolyl carboranes designed for boron neutron capture therapy of cancer
AUTHOR(S): Scobie, Martin; Threadgill, Michael D.
CORPORATE SOURCE: Sch. Pharmacy & Pharmacology, Univ. Bath, Bath, BA2 7AY, UK
SOURCE: Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1994), (15), 2059-63

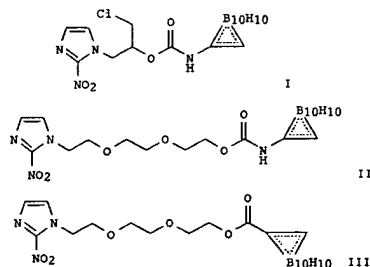
CODEN: JCPRB4; ISSN: 0300-922X

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 121:255859

GI



AB Carboranes targeted to specific tumor tissues are important for boron neutron capture therapy of cancer (BNCT). Carbamoylation of 2-[2-[2-(2-nitroimidazol-1-yl)ethoxy]ethoxy]ethanol 5 and 1-(chloromethyl)-2-(2-nitroimidazol-1-yl)ethanol 6 with carborane-1-yl isocyanate (generated in situ by a Curtius rearrangement of carborane-1-carbonyl azide) gave the corresponding carbamate-linked nitroimidazolylcarboranes I and II. A similar reaction of 4-carboranylphenyl isocyanate with 6 afforded the corresponding carbamate III.

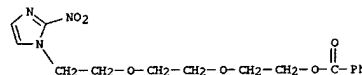
IT 158529-81-8P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and alc. deprotection of)

RN 158529-81-8 CAPLUS

CN Ethanol, 2-[2-[2-(2-nitro-1H-imidazol-1-yl)ethoxy]ethoxy]-, benzoate (ester) (9CI) (CA INDEX NAME)

L9 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2003 ACS (Continued)



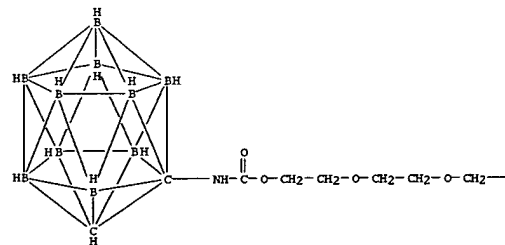
IT 158565-49-2P 158565-50-5P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

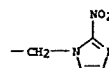
RN 158565-49-2 CAPLUS

CN Carbanic acid, 1,2-dicarbadodecaboran(12)-1-yl-, 2-[2-[2-(2-nitro-1H-imidazol-1-yl)ethoxy]ethoxy]ethyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

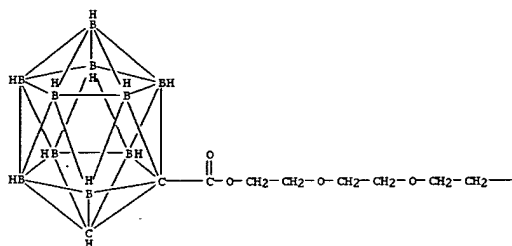


RN 158565-50-5 CAPLUS

CN 1,2-Dicarbadodecaborane(12)-1-carboxylic acid, 2-[2-[2-(2-nitro-1H-imidazol-1-yl)ethoxy]ethoxy]ethyl ester (9CI) (CA INDEX NAME)

L9 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2003 ACS (Continued)

PAGE 1-A



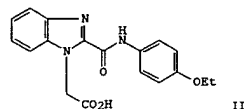
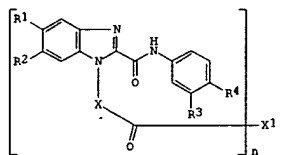
PAGE 1-B



L9 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1990:572021 CAPLUS
 DOCUMENT NUMBER: 113:172021
 TITLE: Preparation of benzimidazole-2-carboxanilides as light stabilizers
 INVENTOR(S): Spang, Peter; Neumann, Peter; Trauth, Hubert
 PATENT ASSIGNEE(S): BASF A.-G., Germany
 SOURCE: Ger. Offen., 27 pp. CODEN: GWXXEX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3828535	A1	19900308	DE 1988-3828535	19880823
US 4981975	A	19910101	US 1989-392300	19890811
CA 1317297	A1	19930504	CA 1989-608455	19890816
EP 361069	A1	19900404	EP 1989-115338	19890819
EP 361069	B1	19940615		
R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
JP 02174764	A2	19900706	JP 1989-215142	19890823
US 4985566	A	19910115	US 1990-525049	19900518
PRIORITY APPLN. INFO.:			DE 1988-3828535	19880823
			US 1989-392300	19890811
OTHER SOURCE(S):			MARPAT 113:172021	
GI				



AB The title compds. (I: R1, R2 = H, Cl, alkyl, alkoxy, (substituted) Ph, phenylalkyl; R3, R4 = H, alkyl, alkoxy, O-interrupted alkyl, alkoxy,

L9 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2003 ACS (Continued)

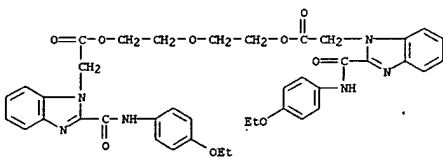
(substituted) Ph, PhO, phenylalkyl, hydroxyalkyl, alkyl carbonylamino, alkanoyloxy, PhCO2, PhCONH, etc.; X = Cl-5 alkylene; n = 1,2; when n = 1, then X1 = Cl, OR6, amino; when n = 2, then X1 = OX2O, NR9X3NR9; R6 = H, (substituted) alkyl, cycloalkyl, alkenyl, phenylalkyl, etc.; R9 = H, alkyl, cycloalkyl, alkenyl, Ph, naphthyl, phenylalkyl; X2 = alkylene, alkenylene, cyclohexylene, O-interrupted alkylene; X3 = C6H4CH2C6H4, (O-interrupted) alkylene, cyclohexylene, piperazinylene, etc.; were prep'd. Thus, 4'-ethoxybenzimidazole-1-carboxanilide and X2CO3 in DMF at 95-100 degrees, was treated with ClCH2CO2H over 150 min and the mixt. was stirred or addnl. 5h to give benzimidazoleacetate II. II Et ester at 1.04 in polyurethane reduced yellowing in ASTM D 1925 testing from 31.7 (controls) to 15.6 YI (yellowness index).

IT 129866-02-0P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of, as light stabilizer)

RN 129866-02-0 CAPLUS

CN 1H-Benzimidazole-1-acetic acid, 2-[[[(4-ethoxyphenyl)amino]carbonyl]-, oxydi-2,1-ethanediyl ester (9CI) (CA INDEX NAME)



L9 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1985:561258 CAPLUS
 DOCUMENT NUMBER: 103:161258
 TITLE: Hexahydropyrimidines as hindered amine light stabilizers
 AUTHOR(S): Ramey, C. E.; Rostek, C. J.
 CORPORATE SOURCE: Chem. Div., Ferro Corp., Bedford, OH, 44146, USA
 SOURCE: ACS Symposium Series (1985), 280 (Polym. Stab. Degrad.), 149-55
 CODEN: ACSMCS; ISSN: 0097-6156
 DOCUMENT TYPE: Journal
 LANGUAGE: English

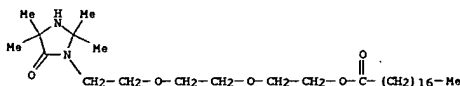
AB Isotactic polypropylene (I) [25085-53-4] films contg. 2,2,4,4,6-pentamethylhexahydropyrimidine (II) deriv. light stabilizers exhibited excellent Weather-Ometer lifetimes. A large extension of I film lifetime was produced by stabilizer formulations contg. the pyrimidine deriv. and a com. hydroxybenzoate. This effect was not evident when the pyrimidine deriv. contained an intramol. hydroxybenzoate group. II deriv., 2,2,5,5-tetramethyl-4-imidazolidinone deriv., and 4,4-dimethylloxazolidine deriv. intermediates were used to evaluate the effects of derivatization and substitution on the activity of the resulting light stabilizers.

IT 90577-99-4P 90578-00-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

RN 90577-99-4 CAPLUS

CN Octadecanoic acid, 2-[2-(2,2,4,4-tetramethyl-5-oxo-1-imidazolidinyl)ethoxy]ethoxyethyl ester (9CI) (CA INDEX NAME)

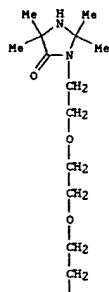


RN 90578-00-0 CAPLUS

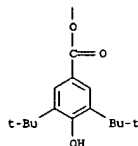
CN Benzoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2-[2-(2,2,4,4-tetramethyl-5-oxo-1-imidazolidinyl)ethoxy]ethoxyethyl ester (9CI) (CA INDEX NAME)

L9 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2003 ACS (Continued)

PAGE 1-A

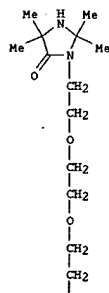


PAGE 2-A

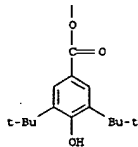


L9 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2003 ACS (Continued)

PAGE 1-A

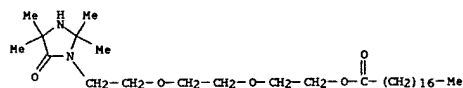


PAGE 2-A



L9 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2003 ACS

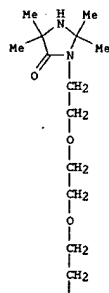
ACCESSION NUMBER: 1984:408092 CAPLUS
 DOCUMENT NUMBER: 101:8092
 TITLE: Hexahydropyrimidines as hindered amine light stabilizers
 AUTHOR(S): Ramsey, C. E.; Rostek, C. J.
 CORPORATE SOURCE: Chem. Div., Ferro Corp., Bedford, OH, 44146, USA
 SOURCE: Polymer Preprints (American Chemical Society, Division of Polymer Chemistry) (1984), 25(1), 36-7
 CODEN: ACPPAY; ISSN: 0032-3934
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB A no. of hexahydropyrimidine, imidazolidone, and oxazolidine derivs. were evaluated as light stabilizers in polypropylene [9003-07-0], and correlation of stabilizer activity with compatibility and chem. structure was discussed.
 IT 90577-99-4 90578-00-0
 RL: MOA (Modifier or additive use); USES (Uses)
 (light stabilizers, for polypropylene)
 RN 90577-99-4 CAPLUS
 CN Octadecanoic acid, 2-[2-(2-(2,2,4,4-tetramethyl-5-oxo-1-imidazolidinyl)ethoxy)ethoxy]ethyl ester (9CI) (CA INDEX NAME)



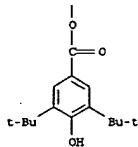
RN 90578-00-0 CAPLUS
 CN Benzoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2-[2-(2-(2,2,4,4-tetramethyl-5-oxo-1-imidazolidinyl)ethoxy)ethoxy]ethyl ester (9CI) (CA INDEX NAME)

L9 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2003 ACS (Continued)

PAGE 1-A



PAGE 2-A



L9 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2003 ACS

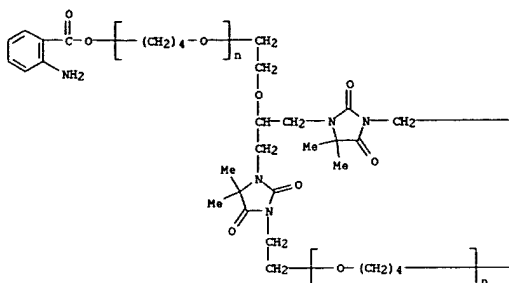
ACCESSION NUMBER: 1982:105591 CAPLUS
 DOCUMENT NUMBER: 96:105591
 TITLE: Polyurea polymers formed from polyethers having terminal amino groups
 INVENTOR(S): Schmidt, Oskar; Sibril, Walter
 PATENT ASSIGNEE(S): Lin-Holding S. A., Luxembourg
 SOURCE: U.S., 12 pp. Cont.-in-part of U.S. Ser. No. 9,640.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4260729	A	19810407	US 1980-109749	19800103
US 4153801	A	19790508	US 1976-735281	19761026
PRIORITY APPLN. INFO.:			US 1976-735281	19761026
			US 1979-9640	19790205
			AT 1975-8149	19751027
			AT 1975-8152	19751027
			AT 1975-8153	19751027
			AT 1975-8154	19751027

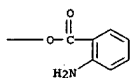
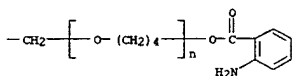
AB Polyurea elastomers N,N'-polyoxybutylated 5,5-dimethylhydantoin tires, belts, shoe soles, etc. are prepd. from bis[o-amino(thio)benzoates] of N-heterocyclic diols. Thus, heating N,N'-polyoxybutylated 5,5-dimethylhydantoin 84.8, isatoic anhydride 35.9, and NaOH 2.0 g 3 h at 80.degree. and briefly at 110.degree. gives 105.5 g diester. Heating 108.8 g this compd. and 18.5 g TDI 1 h at 60.degree. and 24 h at 100.degree. gives a polyurea [63306-90-1] rubber with tensile strength 310 kg/cm², structural strength 50 kg/cm, and Shore hardness 100.
 IT 63306-99-09
 RL: IMP (Industrial manufacture); PREP (Preparation)
 (manuf. of, for prepn. of polyurea elastomers)
 RN 63306-99-0 CAPLUS
 CN Poly(oxy-1,4-butanediyl), .alpha.-hydro-.omega.-[2-(aminobenzoyl)oxy]-, ether with 1,1'-[2-(2-hydroxyethoxy)-1,3-propanediyl]bis[3-(2-hydroxyethyl)-5,5-dimethyl-2,4-imidazolidinedione] (3:1) (9CI) (CA INDEX NAME)

L9 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2003 ACS (Continued)

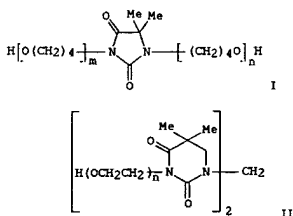
PAGE 1-A



PAGE 1-B



L9 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2003 ACS (Continued)



AB Comps. such as I and II were treated with isatoic anhydride (III) [118-48-9] to prep. 2-aminobenzoyl diesters which were polymd. with TDI or bis(4-isocyanatophenyl)methane to prep. polyureas with good heat resistance and high tensile strength. Thus, 84.4 g (0.1 mol) I was mixed with 35.9 g III and 2.0 g NaOH and heated at 80-110.degree. to prep. an aminobenzoyl diester which was mixed (108.8 g, 0.1 mol) with 18.5 g TDI and heated at 60.degree. for 1 h and at 100.degree. for 24 h to prep. and elastomer with tensile strength 310 kg/cm².

IT 63307-00-6

RL: USES (Uses)

(rubber, heat-resistant)

RN 63307-00-6 CAPLUS

CN Poly(oxy-1,4-butanediyl), .alpha.-hydro-.omega.-[(2-aminobenzoyl)oxy]-, ether with 1,1'-(2-(2-hydroxyethoxy)-1,3-propanediyl)bis[3-(2-hydroxyethyl)-5,5-dimethyl-2,4-imidazolidinedione] (3:1), polymer with 1,3-diisocyanatomethylbenzene (9CI) (CA INDEX NAME)

CH 1

CRN 63306-99-0

CHF (C4 H8 O)n (C4 H8 O)n (C4 H8 O)n (C4 H4 N7 O11

CCI FMS

L9 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1977:24520 CAPLUS

DOCUMENT NUMBER: 87:24520

TITLE: Terminal amino group-containing polyethers

INVENTOR(S): Schmidt, Oskar; Sibrat, Walter

PATENT ASSIGNEE(S): Polyair Maschinenbau G.m.b.H., Austria

SOURCE: Ger. Offen., 34 pp.

CODEN: GWXKX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

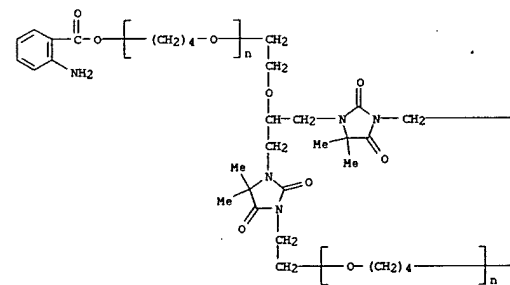
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2648825	A1	19770428	DE 1976-2648825	19761027
DE 2648825	C2	19830601		
AT 7508152	A	19770415	AT 1975-8152	19751027
AT 340688	B	19771227		
AT 7508153	A	19770415	AT 1975-8153	19751027
AT 340689	B	19771227		
AT 7508149	A	19770615	AT 1975-8149	19751027
AT 341784	B	19780227		
AT 7508154	A	19770615	AT 1975-8154	19751027
AT 341786	B	19780227		
DD 127235	C	19770914	DD 1976-195439	19761025
ES 453218	A1	19780501	ES 1976-453218	19761026
AU 7619018	A1	19780504	AU 1976-19018	19761026
AU 507217	B2	19800207		
CA 1080227	A1	19800624	CA 1976-264244	19761026
BE 847681	A1	19770214	BE 1976-171829	19761027
SE 7611938	A	19770428	SE 1976-11938	19761027
NL 7611907	A	19770429	NL 1976-11907	19761027
JP 52068296	A2	19770606	JP 1976-129257	19761027
BR 7607242	A	19770913	BR 1976-7242	19761027
FR 2347352	A1	19771104	FR 1976-32401	19761027
FR 2347352	B1	19821008		
GB 1540153	A	19790207	GB 1976-44678	19761027

PRIORITY APPLN. INFO.:

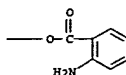
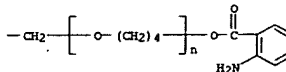
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L9 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2003 ACS (Continued)

PAGE 1-A



PAGE 1-B

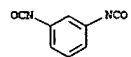


CH 2

CRN 26471-62-5

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CCI IDS



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FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
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